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Complete if Known					
Application Number	08/872,349				
Filing Date	June 10, 1997				
First Named Inventor	Michael C. Ryan				
Group Art Unit	2761				
Examiner Name	E. Cosimano				
Attorney Docket Number	7026320/6610				

	U.S. PATENT DOCUMENTS							
Examiner Initials	Cite No.1	I Number	ument nd Code² <i>known</i>)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
		4,488,153		Lange	12-11-84			
		5,204,819		Ryan	04-20-93			
		5,359,522		Ryan	10=25-94			
		5,184,309		Simpson, et al.	10-09-91-			
		4,263,945	-	Van Ness	04-28-81-			
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	FOREIGN PATENT DOCUMENTS									
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		FR	2,600,318		CGA-HBS	12-24-87	i igaras Appeal			
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Examiner Signature Cos/mano, E. Date Consider	red 10-25-98
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¹ Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (MPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the senal number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



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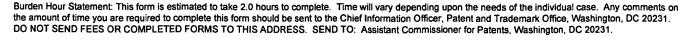
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6) (use as many s	heet	s as necessary)	Examiner Name	E. Cosimano	
Sheet	2	of	2	Attorney Docket Number	7026320/6610	

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
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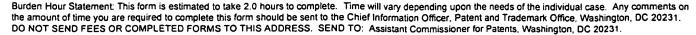
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		FR	2,600,318		CGA-HBS	12-24-87		Г
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STATEMENT BY APPLICANT				First Named Inventor	Michael C. Rvan		
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	(use as many sh	neets as	s necessary)	Examiner Name	E. Cosimano		
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